

1/6

Fig. 1 (a)

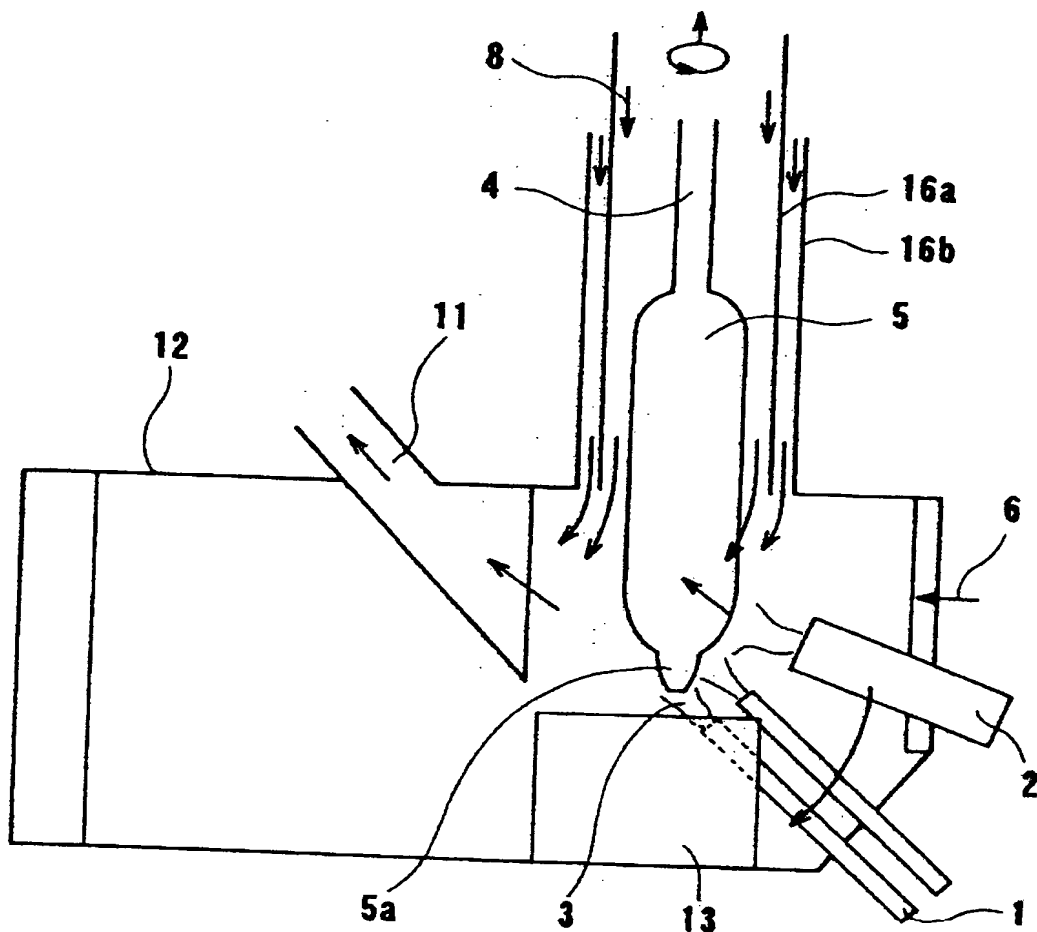
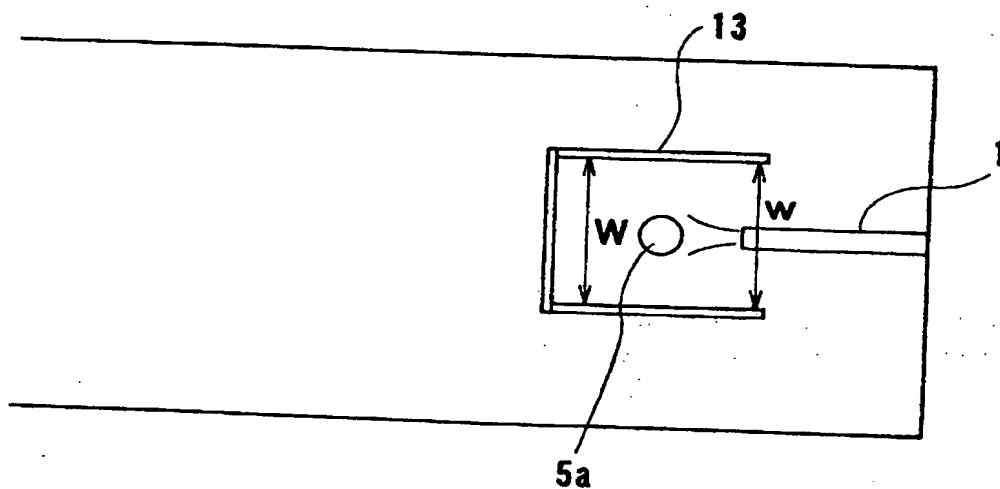


Fig. 1 (b)



2/6

Fig. 2 (a)

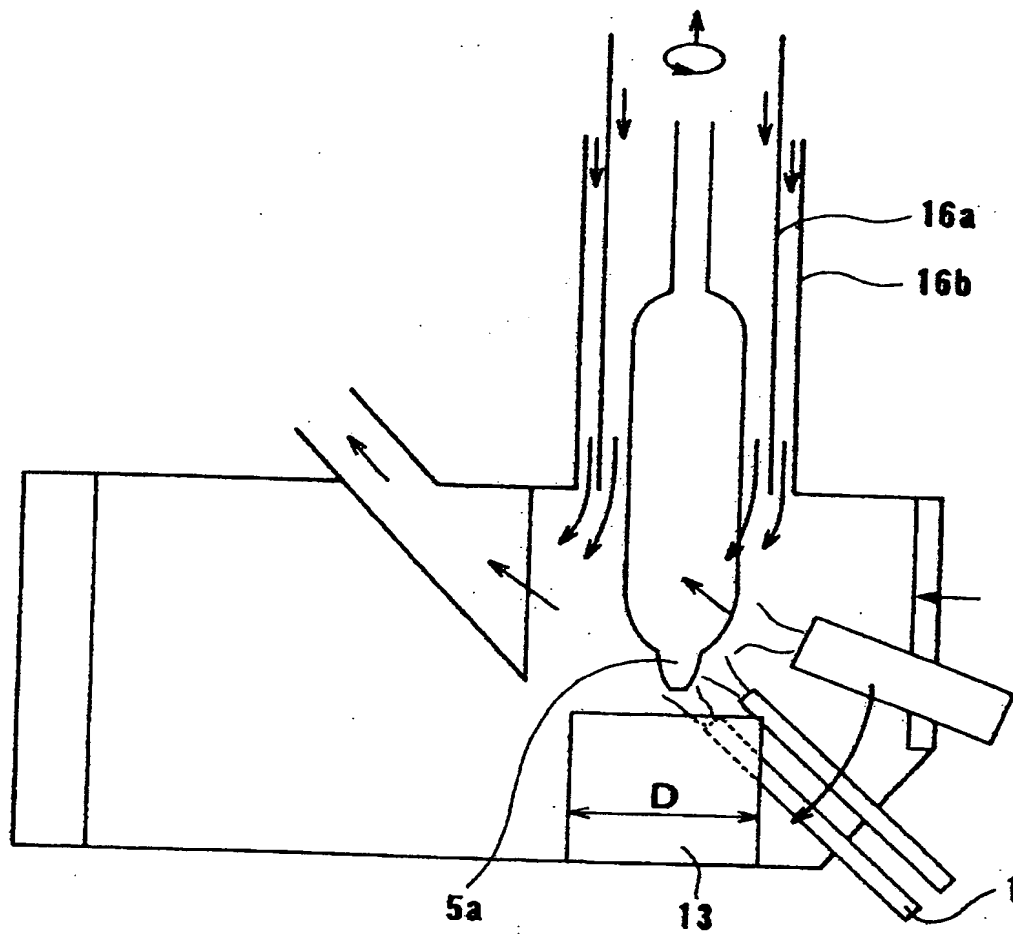
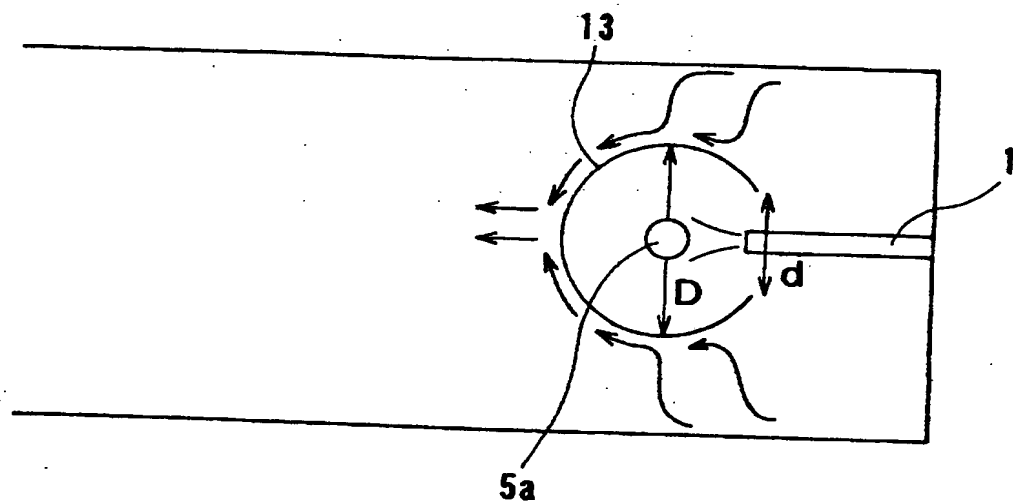


Fig. 2 (b)



3/6

Fig. 3

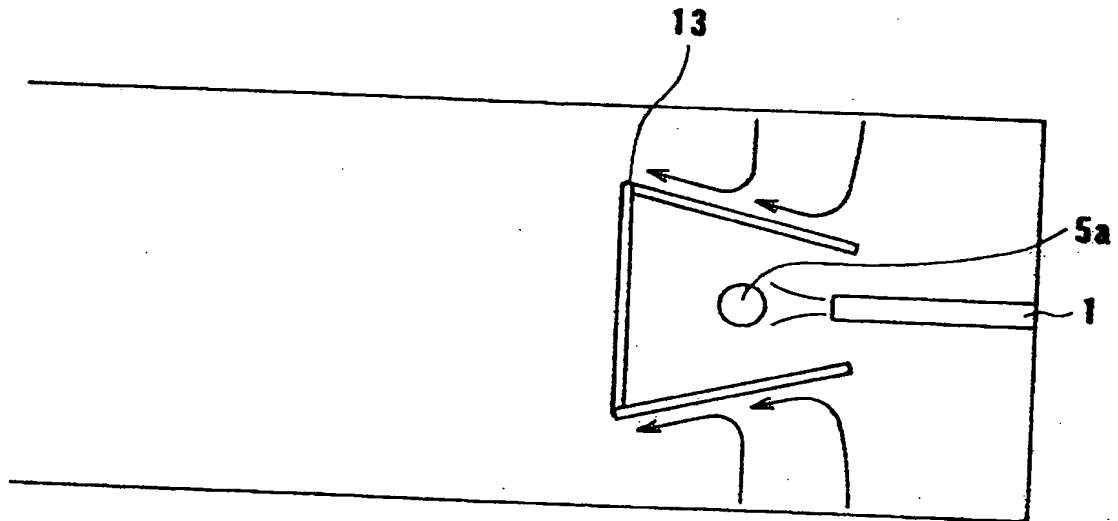
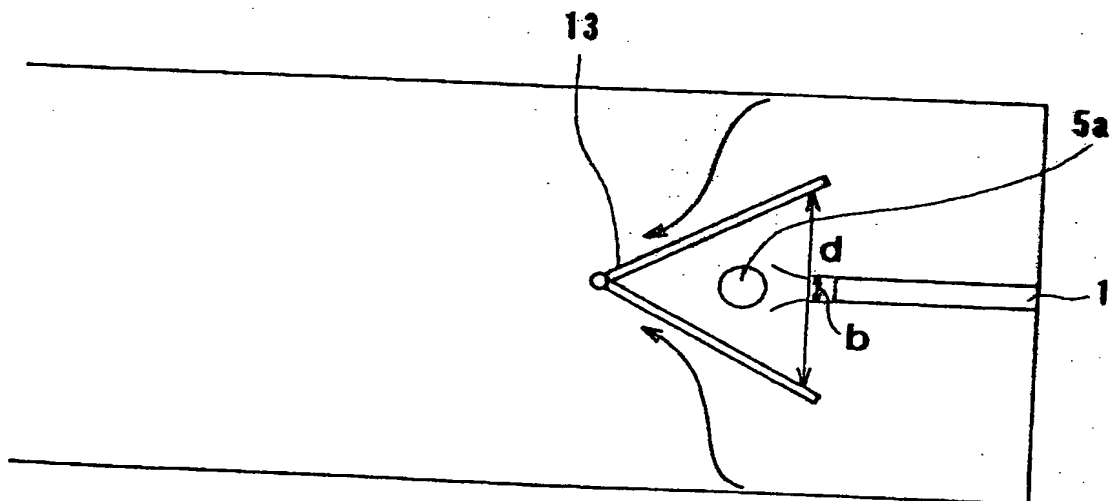


Fig. 4



A schematic diagram of a rotating disk in a fluid flow. A horizontal rectangular duct contains a fluid flow from left to right, indicated by two long arrows labeled 13. A circular disk is positioned in the center of the duct. The disk has a central hub with a diameter labeled D . A vertical line with arrows at both ends indicates the disk's thickness, labeled d . A horizontal line with arrows at both ends indicates the disk's radius, labeled $5a$. The disk is rotating, as indicated by a curved arrow around its center. The fluid flow is also indicated by a curved arrow around the disk.

5/6

Fig. 7 (b)
PRIOR ART

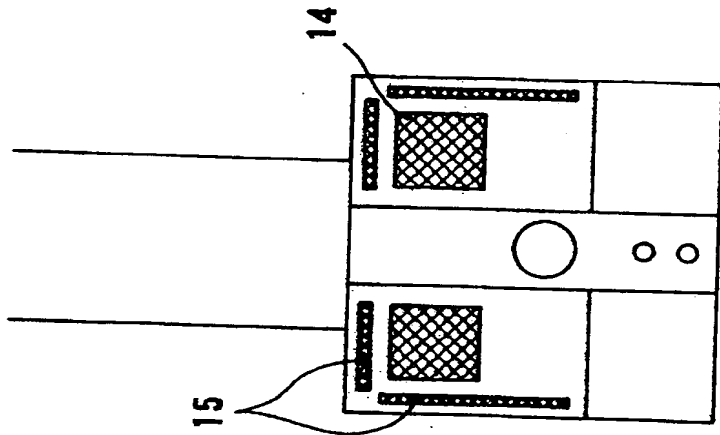
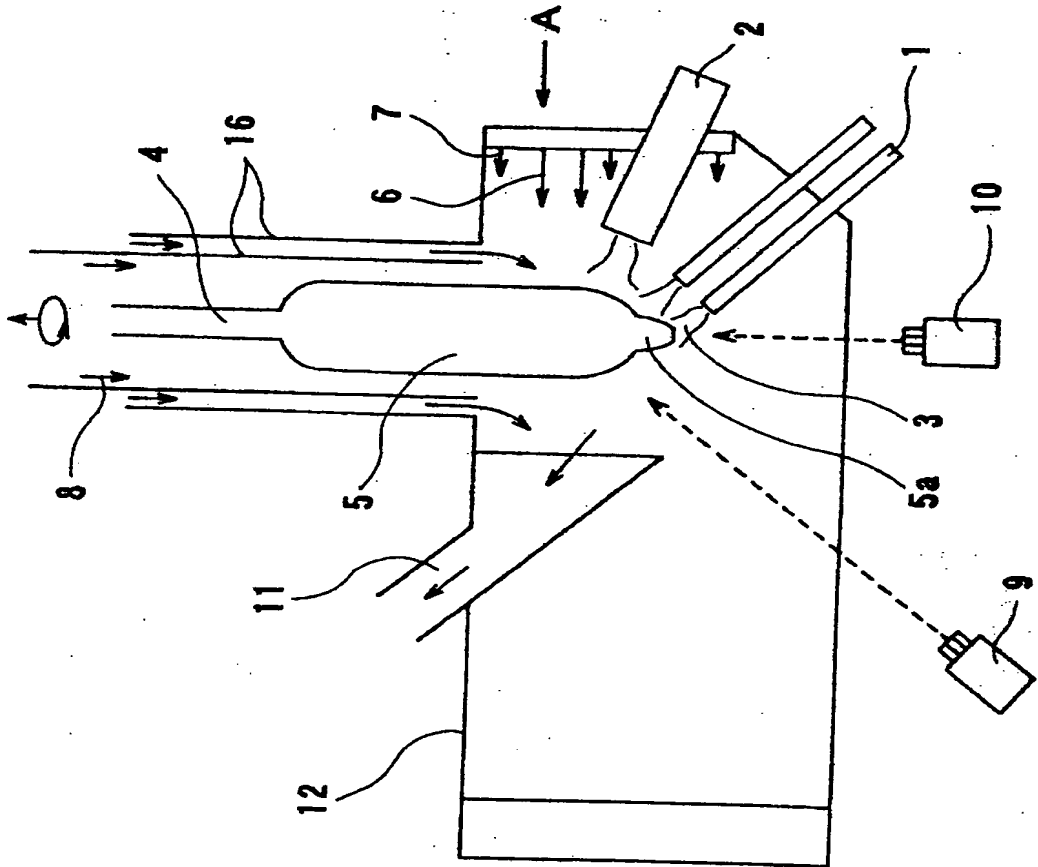


Fig. 7 (a)
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6/6

Fig. 8 (a)
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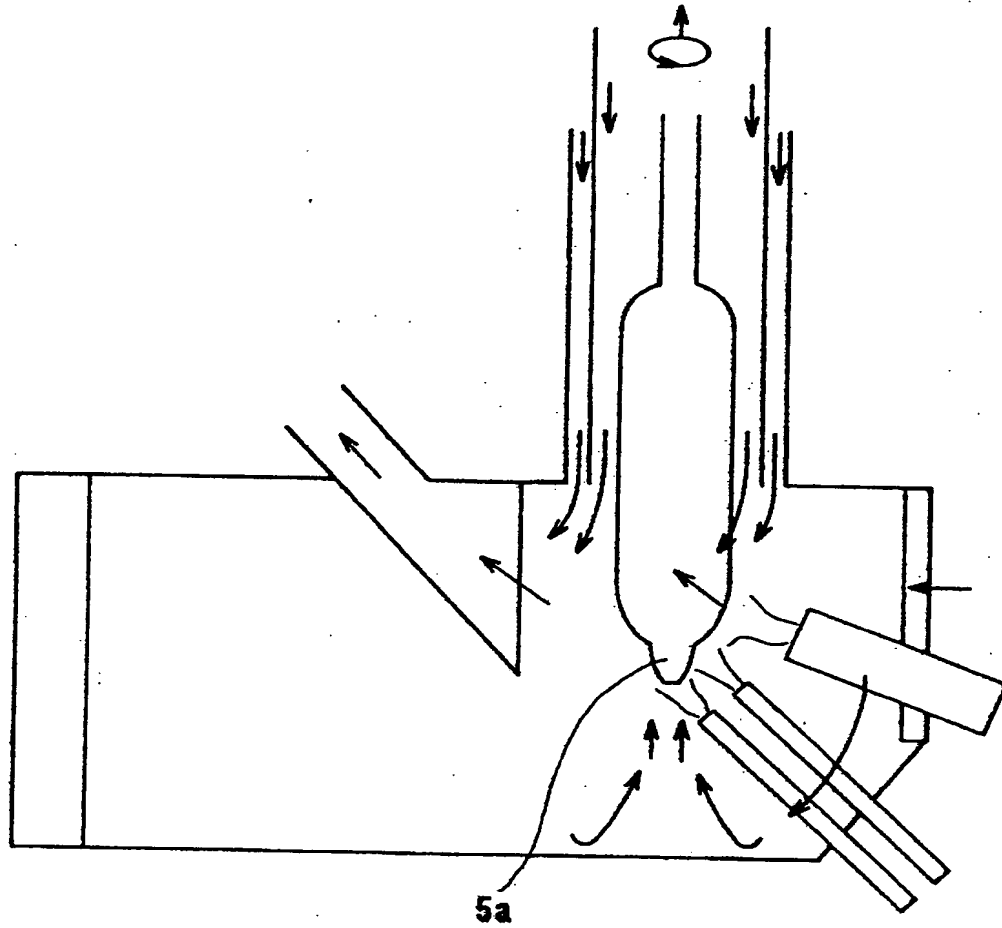


Fig. 8 (b)
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